

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007163.D
 Acq On : 21 Jan 2019 17:08
 Operator : JC/SP
 Sample : K1199-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW528-2327

Quant Time: Jan 22 00:08:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	532393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	831378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	781997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	395273	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	289513	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
35) Dibromofluoromethane	5.50	113	256545	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	993966	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.13	95	359520	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

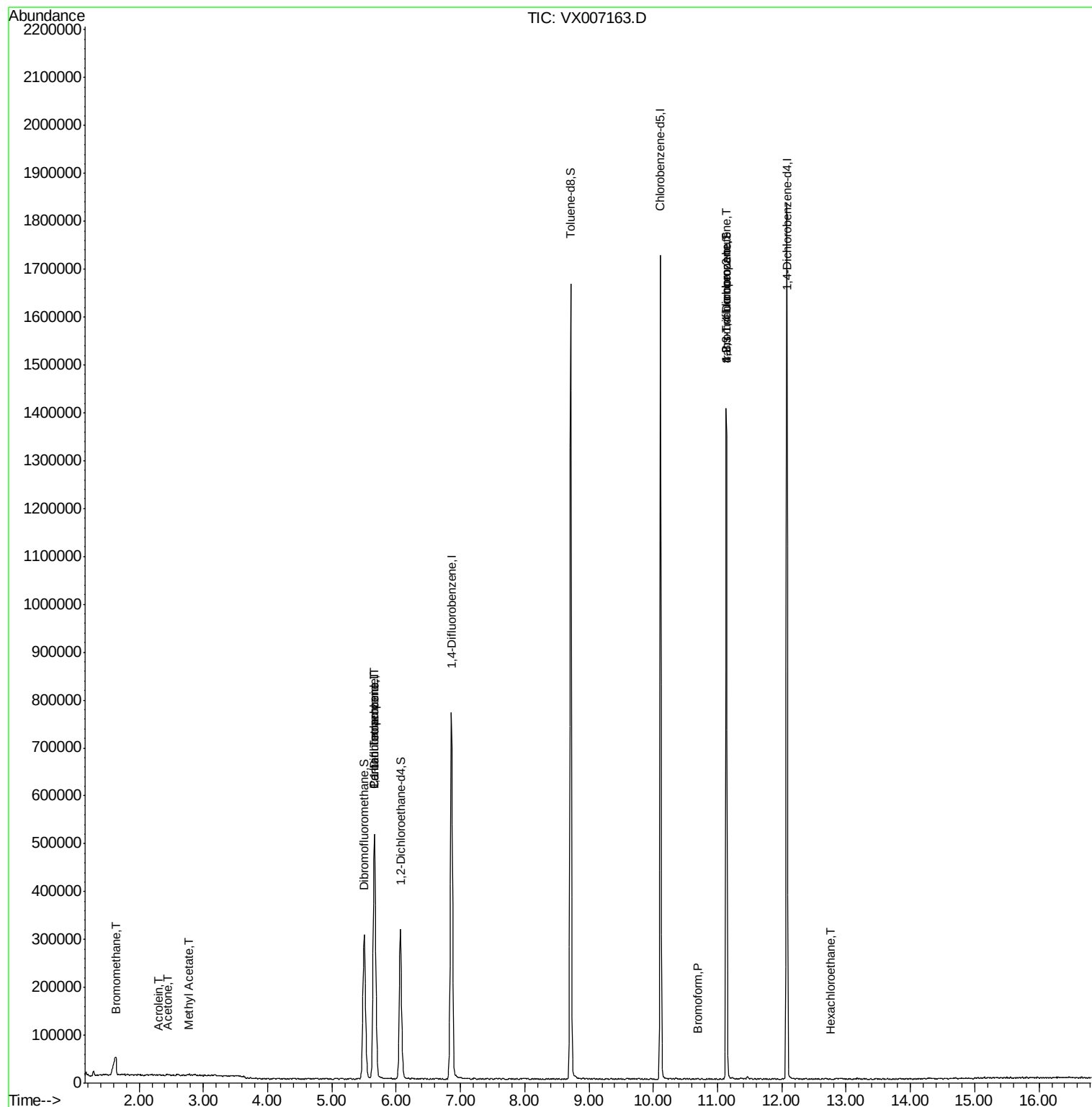
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1961	0.335	ug/l #	43
13) Acrolein	2.30	56	420	3.817	ug/l #	37
16) Acetone	2.45	43	3064	1.114	ug/l #	84
18) Methyl Acetate	2.78	43	4221	0.530	ug/l #	80
20) Methylene Chloride	2.86	84	981	Below Cal	#	53
36) 1,1-Dichloropropene	5.67	75	34530	4.777	ug/l #	49
38) Carbon Tetrachloride	5.66	117	48985	6.736	ug/l #	15
49) 1,4-Dioxane	7.75	88	151	Below Cal	#	1
71) Bromoform	10.68	173	145	4.753	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	174075	21.732	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	174075	64.405	ug/l #	10
90) Hexachloroethane	12.77	117	105	2.933	ug/l	67

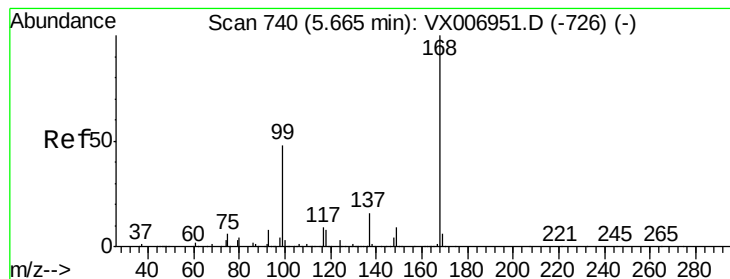
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

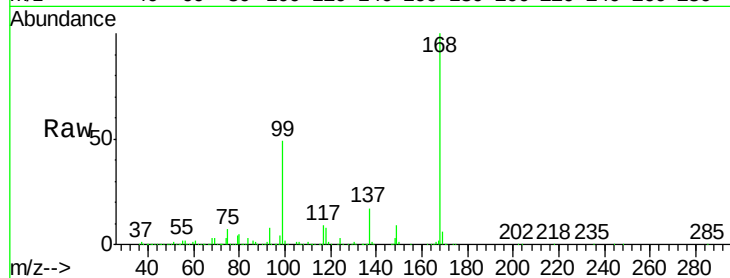
SA-TW528-2327

Tot Ion:168 Resp: 532393

Ion Ratio Lower Upper

168 100

99 49.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

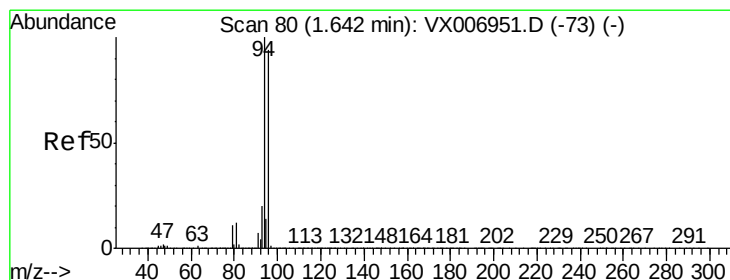
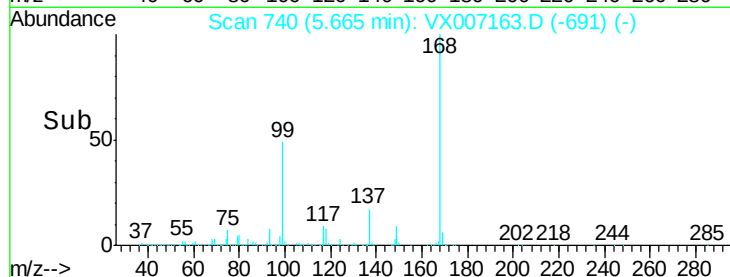
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.335 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007163.D

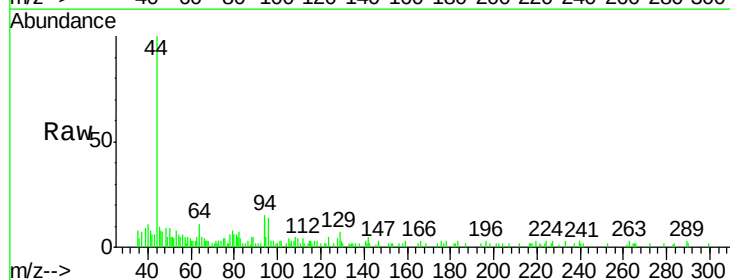
Acq: 21 Jan 2019 17:08

Tgt Ion: 94 Resp: 1961

Ion Ratio Lower Upper

94 100

96 37.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1200

1000

800

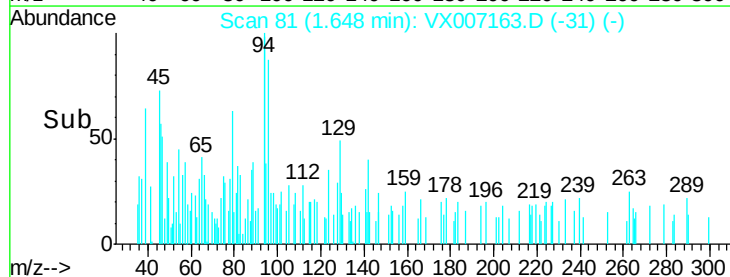
600

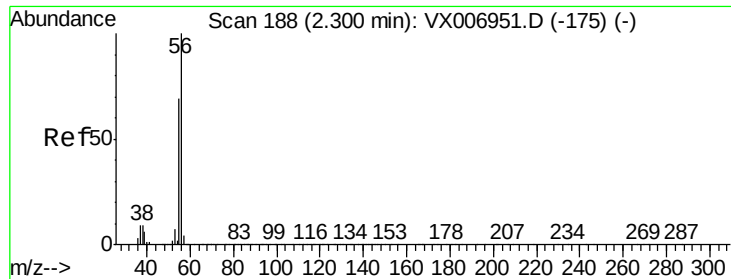
400

200

0

Time-->





#13

Acrolein

Concen: 3.817 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

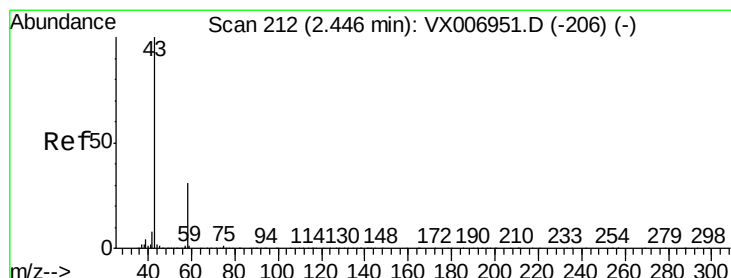
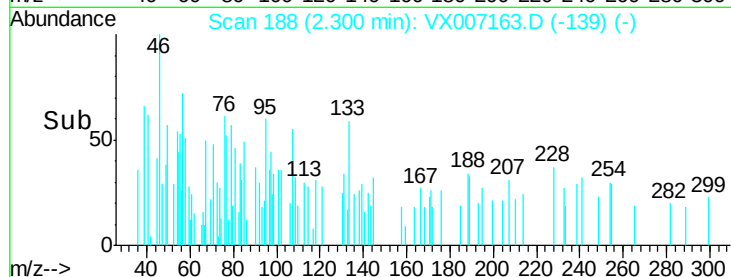
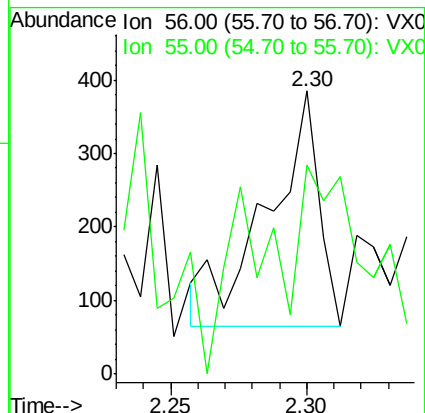
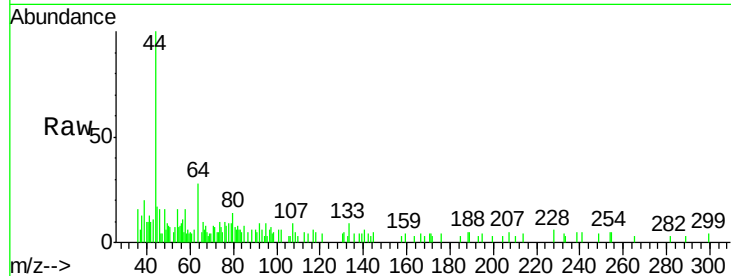
SA-TW528-2327

Tot Ion: 56 Resp: 420

Ion Ratio Lower Upper

56 100

55 126.0 58.2 87.4#



#16

Acetone

Concen: 1.114 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007163.D

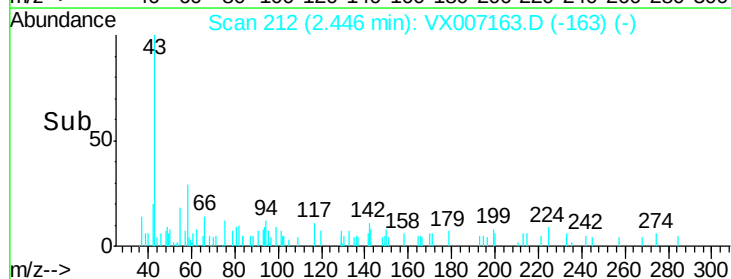
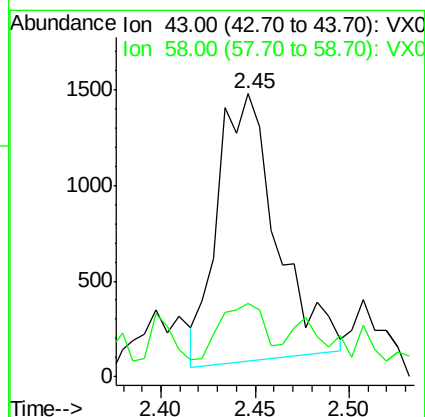
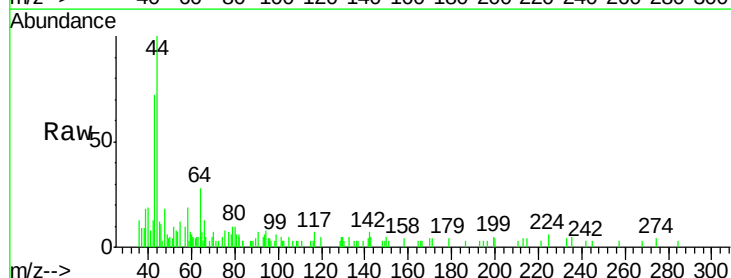
Acq: 21 Jan 2019 17:08

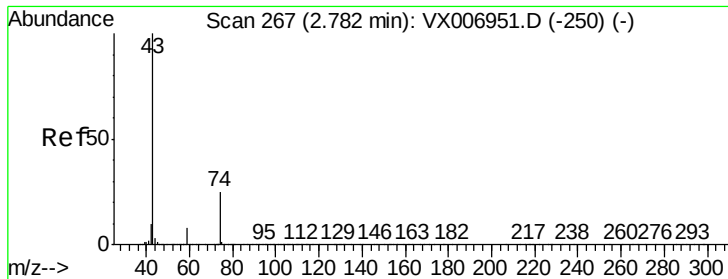
Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

58 22.6 25.0 37.6#





#18

Methyl Acetate

Concen: 0.530 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

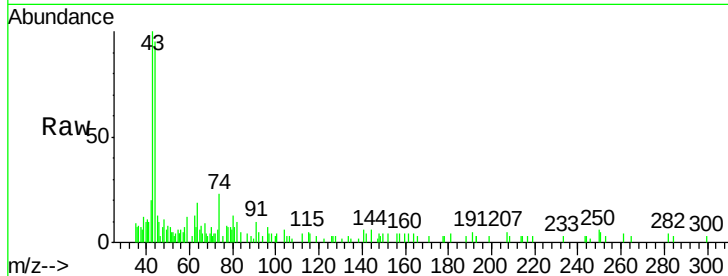
SA-TW528-2327

Tot Ion: 43 Resp: 4221

Ion Ratio Lower Upper

43 100

74 33.1 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2500

2000

1500

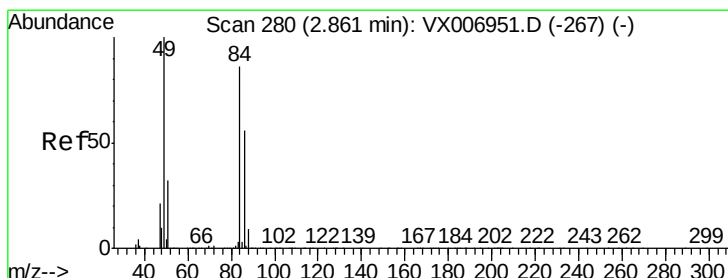
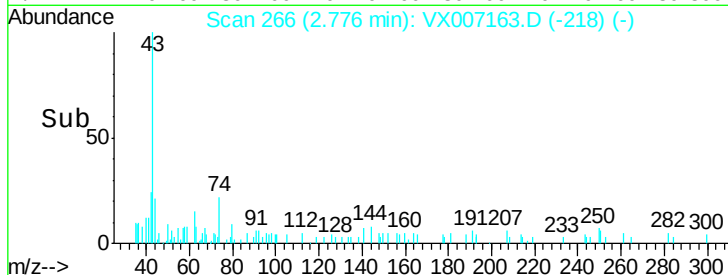
1000

500

0

2.70 2.75 2.80 2.85

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Tgt Ion: 84 Resp: 981

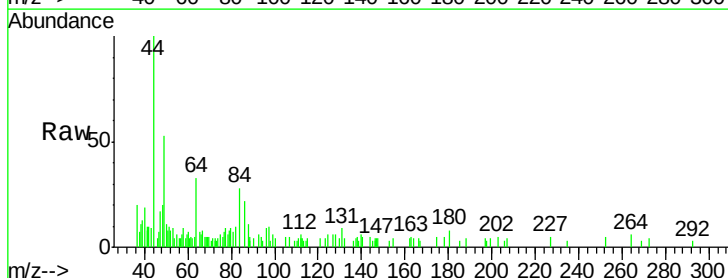
Ion Ratio Lower Upper

84 100

49 180.2 91.8 137.6#

51 72.1 28.5 42.7#

86 72.3 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1500

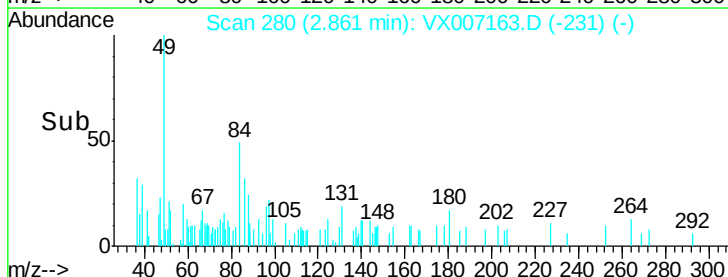
1000

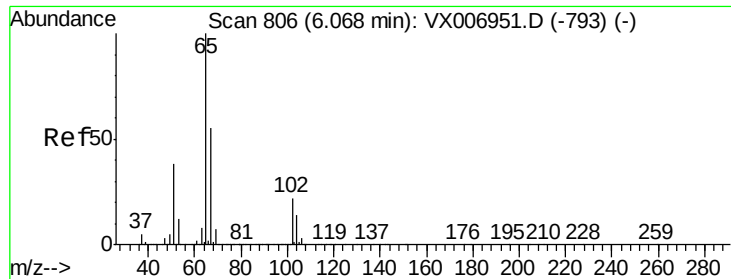
500

0

2.80 2.85 2.90

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.034 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

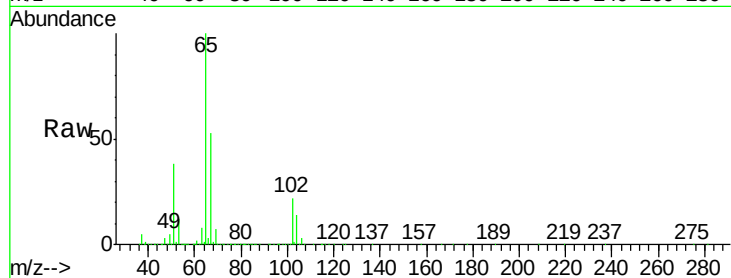
SA-TW528-2327

Tot Ion: 65 Resp: 289513

Ion Ratio Lower Upper

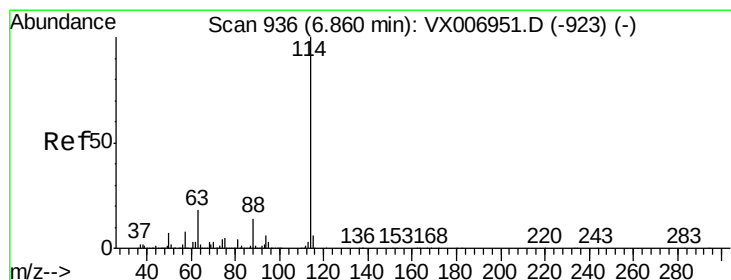
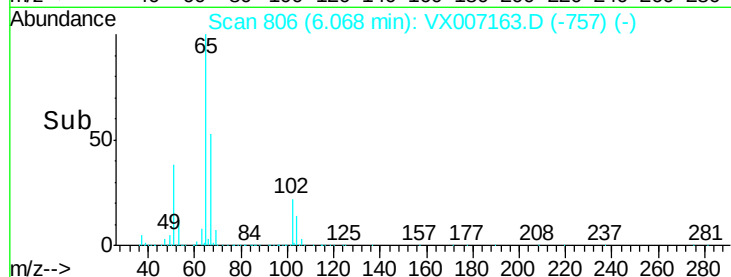
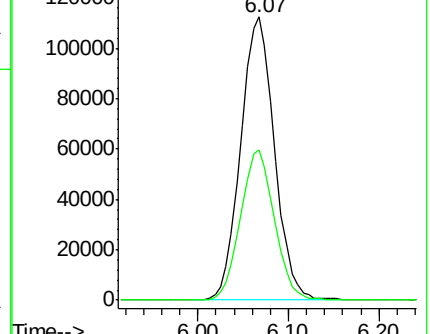
65 100

67 53.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

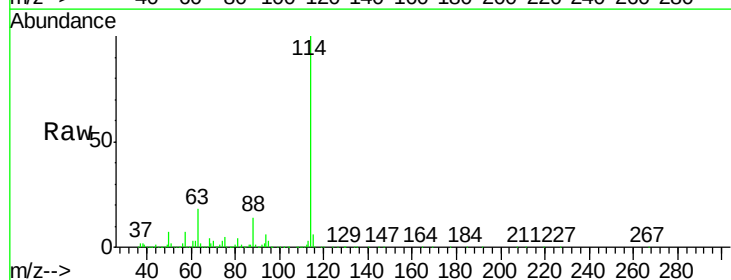
Tgt Ion: 114 Resp: 831378

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

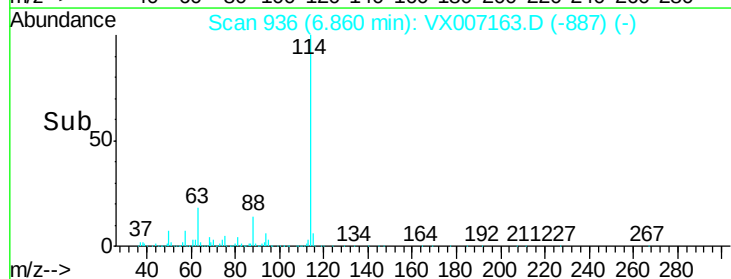
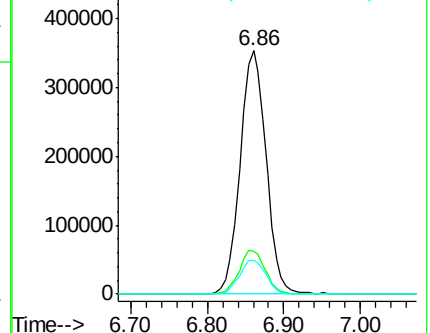
88 13.9 0.0 28.8

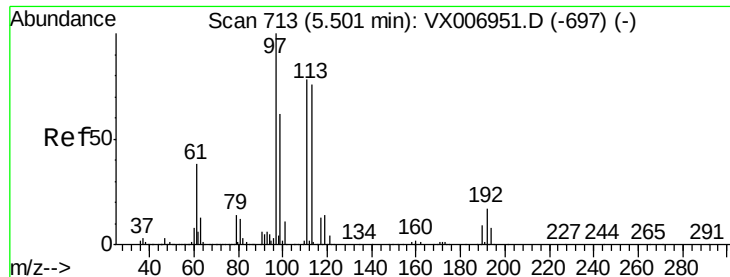


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.186 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-2327

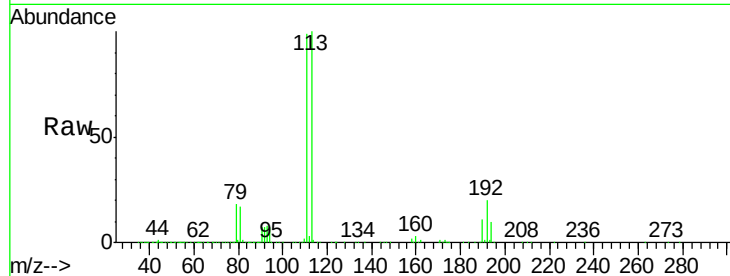
Tot Ion:113 Resp: 256545

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

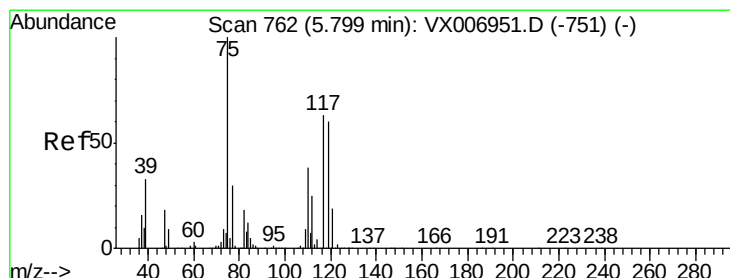
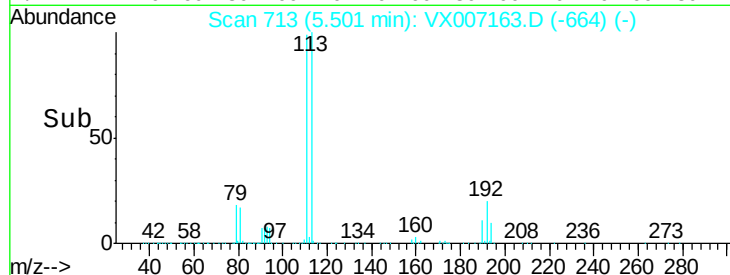
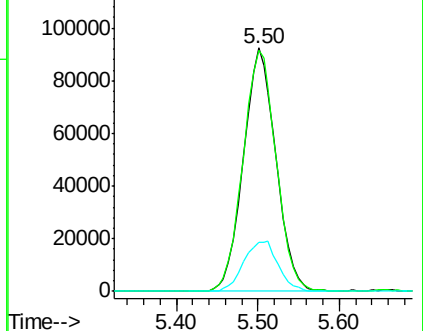
192 21.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

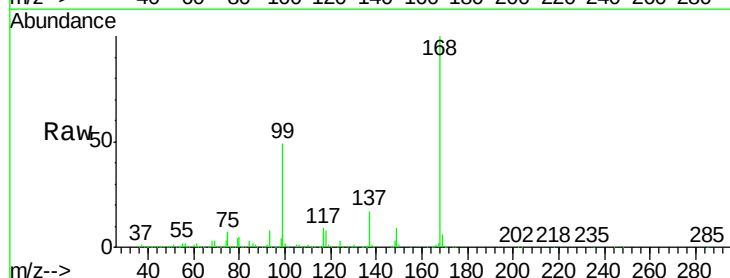
Tgt Ion: 75 Resp: 34530

Ion Ratio Lower Upper

75 100

110 10.7 20.2 60.5#

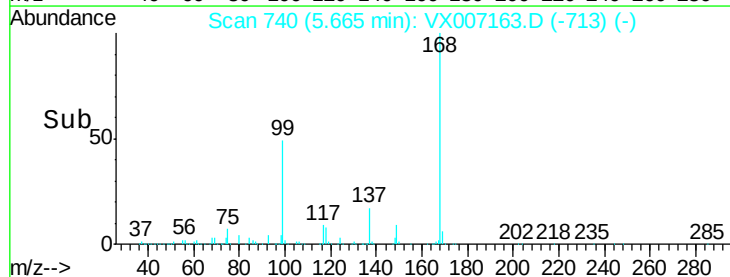
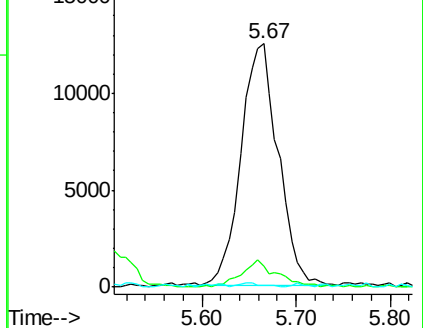
77 1.1 24.8 37.2#

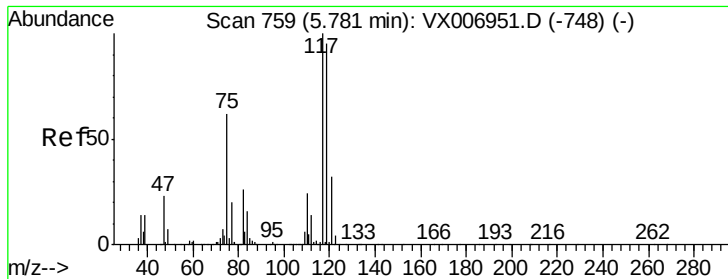


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.736 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-2327

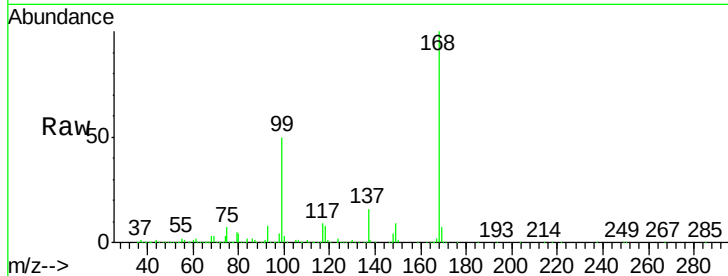
Tot Ion:117 Resp: 48985

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.2#

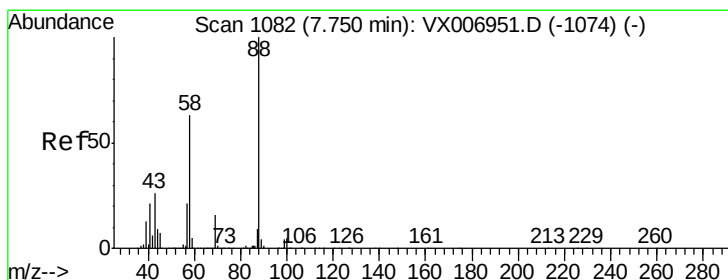
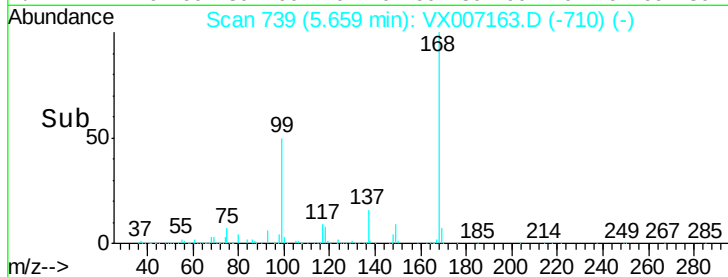
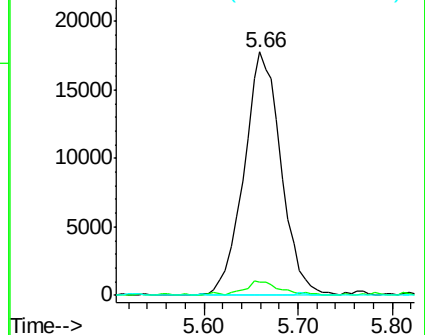
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

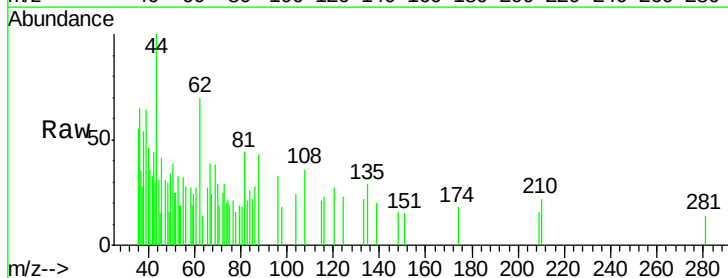
Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 129.8 22.2 33.4#

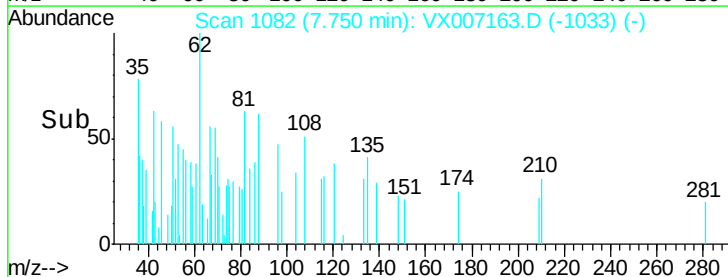
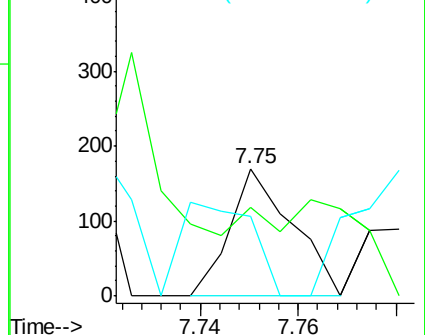
58 0.0 51.0 76.4#

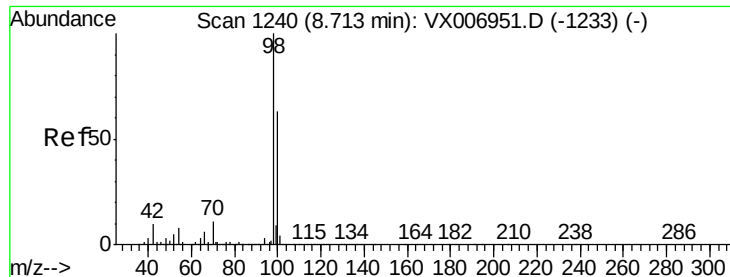


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.004 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

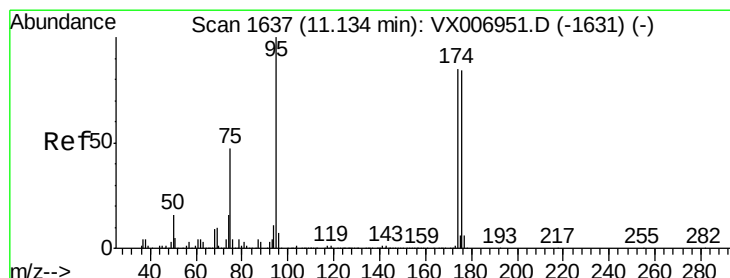
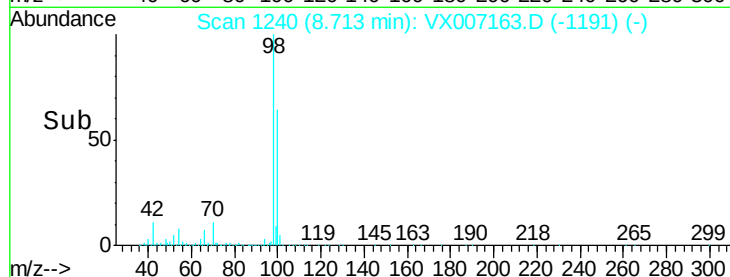
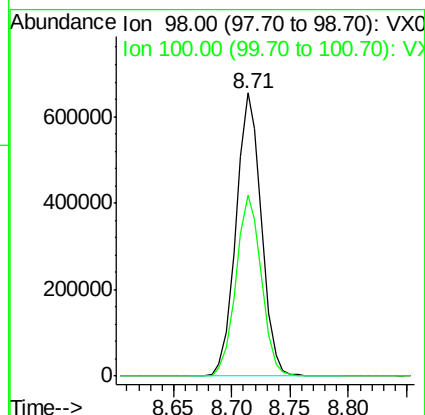
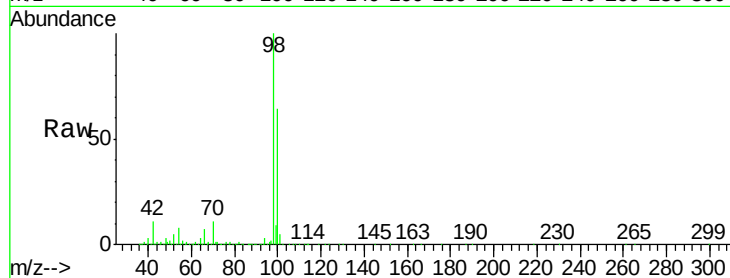
SA-TW528-2327

Tot Ion: 98 Resp: 993966

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

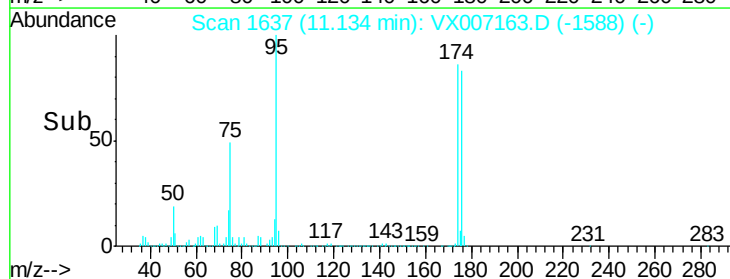
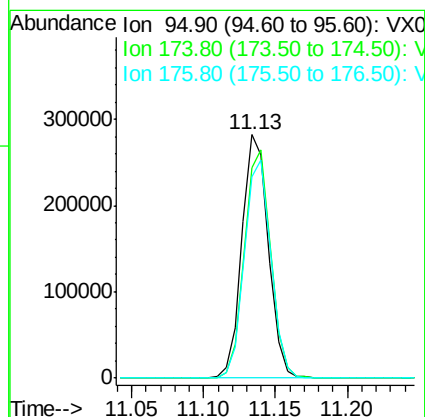
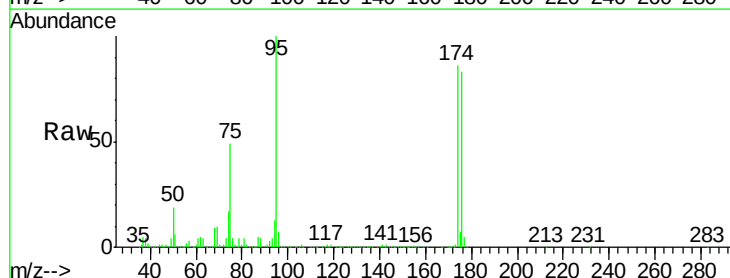
Tgt Ion: 95 Resp: 359520

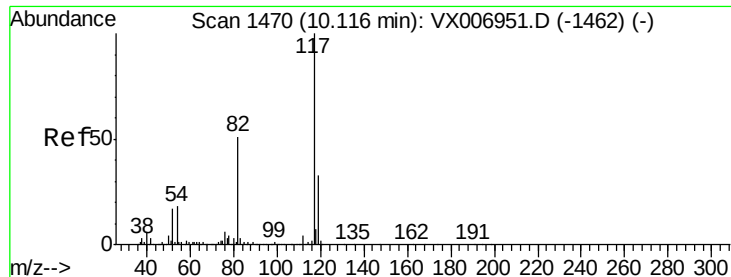
Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.2

176 90.1 0.0 178.8

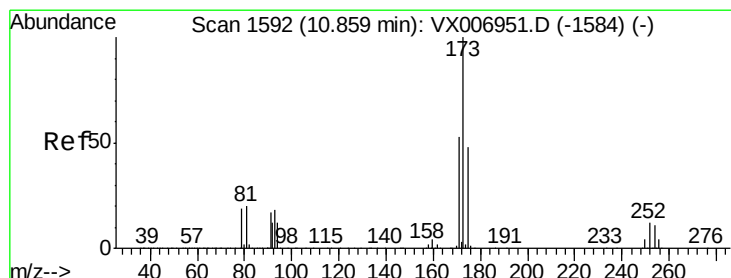
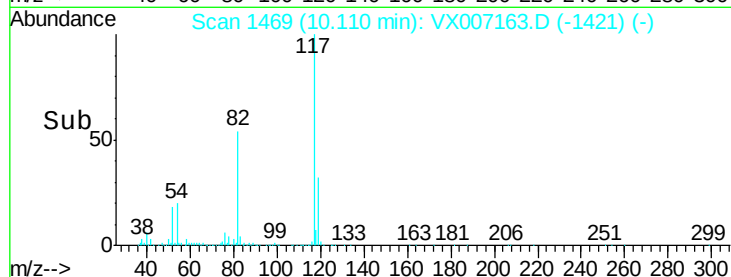
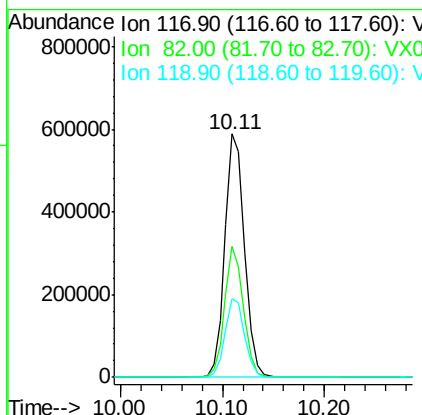
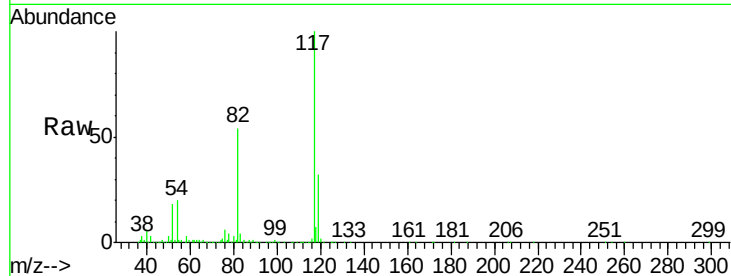




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007163.D
Acq: 21 Jan 2019 17:08

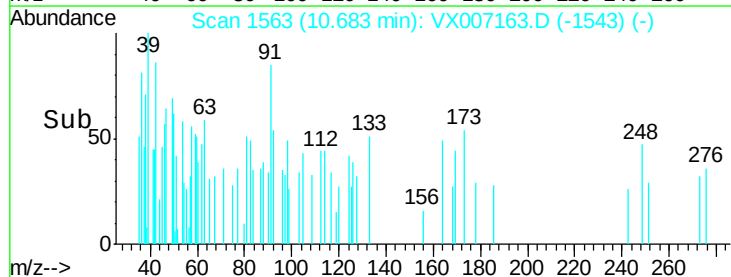
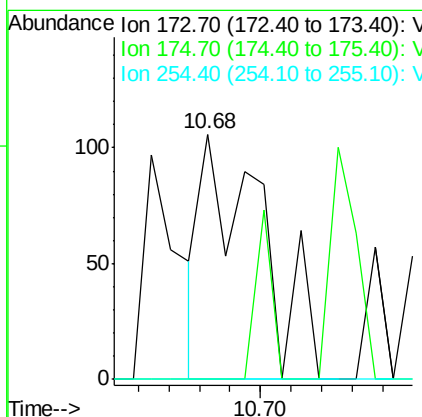
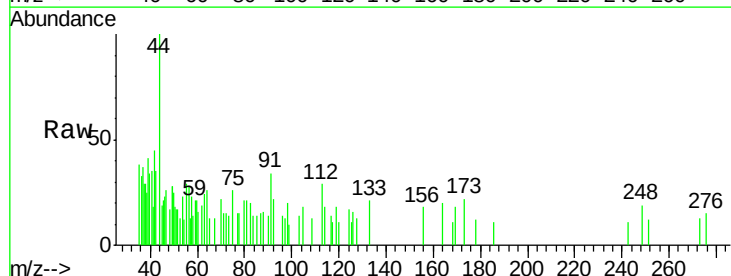
Instrument :
MSVOA_X
ClientSampleId :
SA-TW528-2327

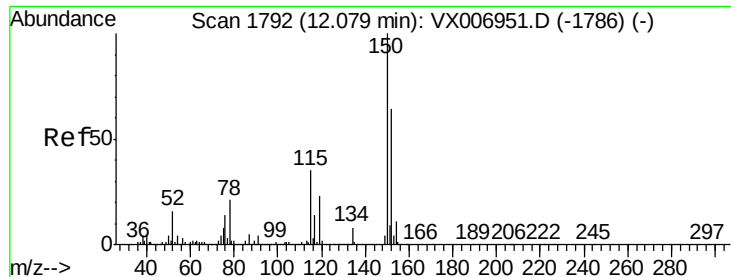
Tot Ion:117 Resp: 781997
Ion Ratio Lower Upper
117 100
82 54.0 41.0 61.6
119 32.4 25.4 38.0



#71
Bromoform
Concen: 4.753 ug/l
RT: 10.68 min Scan# 1563
Delta R.T. -0.18 min
Lab File: VX007163.D
Acq: 21 Jan 2019 17:08

Tgt Ion:173 Resp: 145
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-2327

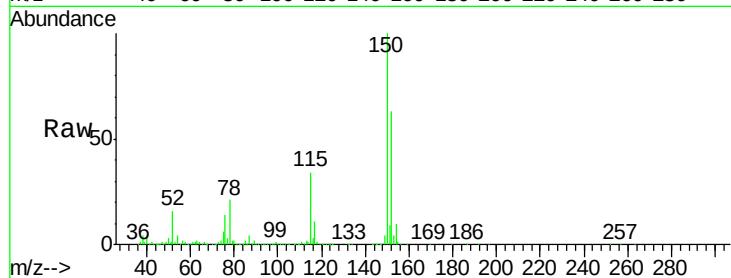
Tot Ion:152 Resp: 395273

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.2

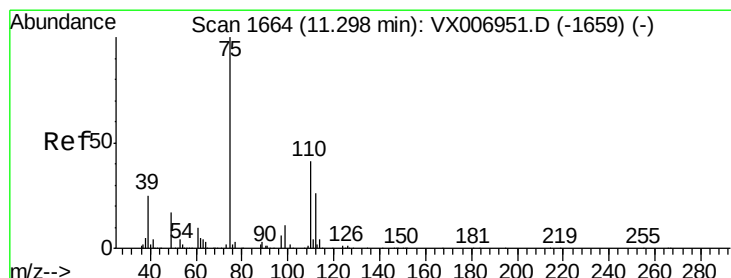
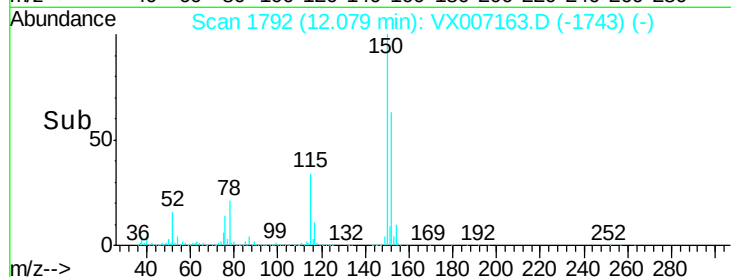
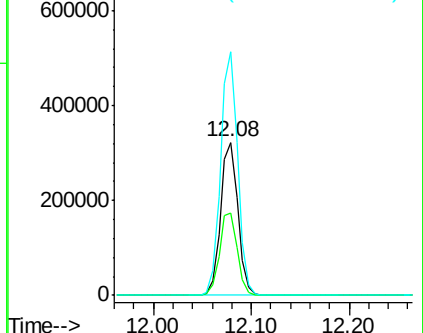
150 157.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007163.D

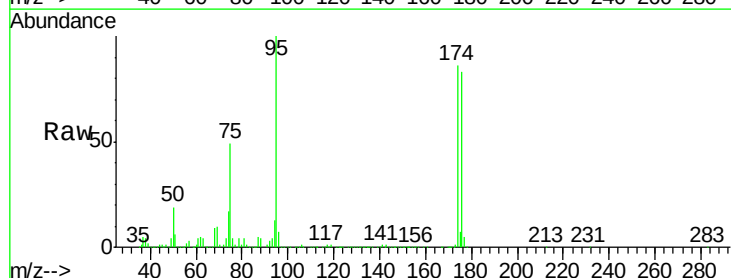
Acq: 21 Jan 2019 17:08

Tgt Ion: 75 Resp: 174075

Ion Ratio Lower Upper

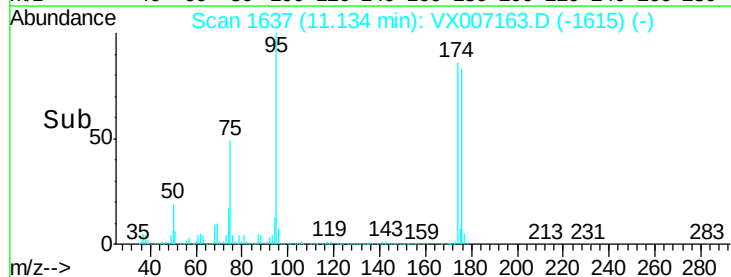
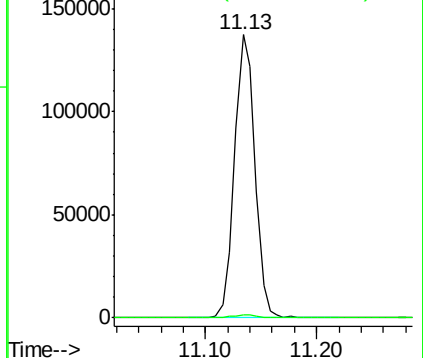
75 100

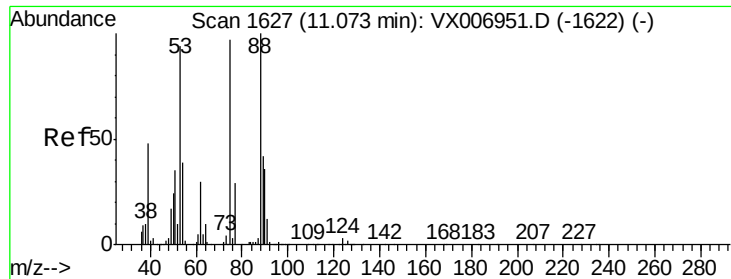
77 1.4 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW528-2327

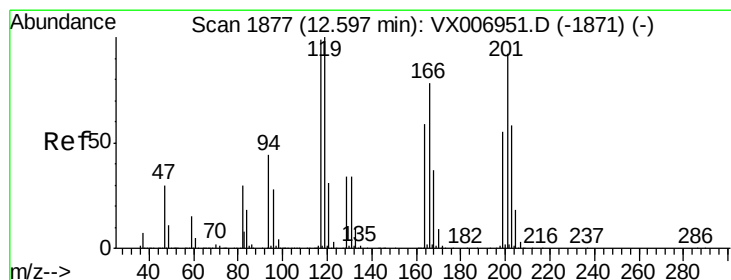
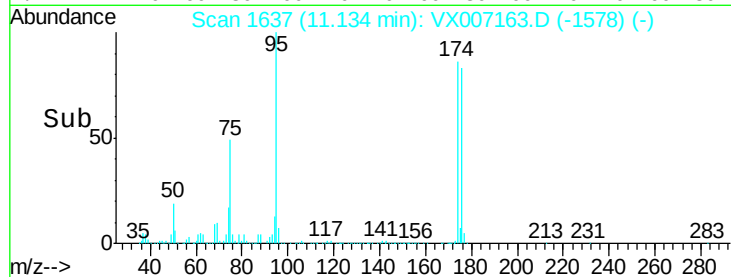
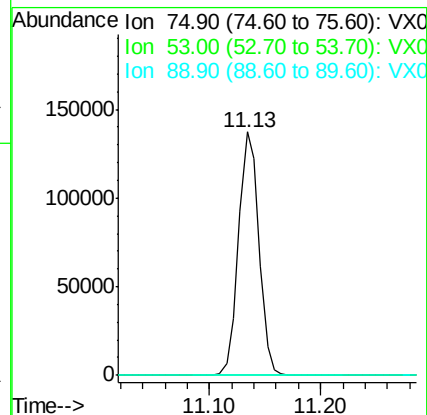
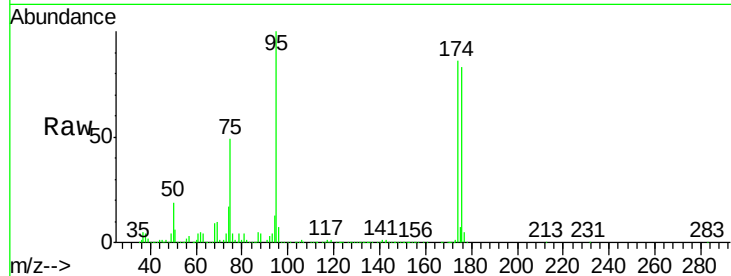
Tot Ion: 75 Resp: 174075

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.1 38.0 57.0#



#90

Hexachloroethane

Concen: 2.933 ug/l

RT: 12.77 min Scan# 1905

Delta R.T. 0.17 min

Lab File: VX007163.D

Acq: 21 Jan 2019 17:08

Tgt Ion: 117 Resp: 105

Ion Ratio Lower Upper

117 100

201 55.2 42.9 128.7

